IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Name of Applicant and Assignee: SUN MICROSYSTEMS, INC.
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Commissioner for Patents
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REVOCATION AND SUBSTITUTION
OF POWER OF ATTORNEY UNDER 37 C.F.R. §1.36

Dear Sir:

Pursuant to 37 C.F.R. §1.36, Sun Microsystems, Inc., the applicant and assignee of the patent applications listed on the attached APPENDIX A, revokes all previous powers of attorney in the patent applications listed on the attached APPENDIX A, hereby appoints the following attorneys and/or agents assigned to the Customer Number listed below to prosecute the patent applications listed on the attached APPENDIX A, and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Customer Number 32615

Please direct all correspondence and telephone calls concerning the patent applications listed on the attached APPENDIX A to:

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Further, please change the attorney/docket number corresponding to the patent applications listed in APPENDIX A from the attorney/docket number on file to that indicated on APPENDIX A.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified applicant.

The undersigned hereby declares that all statements made herein of the undersigned's own knowledge are true, that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the patent applications listed on the attached APPENDIX A or any patents issuing thereon.

Signature: _John Ketchum_____ Dated: _1/26/09_

Name: _John Ketchum_

Title: _Assistant General Counsel_

Sun Microsystems, Inc.

APPENDIX A

1. **Patent Application/Serial No.:** 11/277,762

   Title: MICROPROCESSOR ARCHITECTURE WITH RECONFIGURABLE FUNCTION UNITS

   Filed: 3/29/2006

   Applicant: Sun Microsystems, Inc.

   Reel/Frame No.: 021731/0700

   Reference No: 33227/220001; SUN080708-US-NP

2. **Patent Application/Serial No.:** 11/351,058

   Patent No.: 7,412,570

   Title: SMALL AND POWER-EFFICIENT CACHE THAT CAN PROVIDE DATA FOR BACKGROUND DMA DEVICES WHILE THE PROCESSOR IS IN A LOW-POWER STATE

   Filed: 2/9/2006

   Applicant: Sun Microsystems, Inc.

   Reel/Frame No.: 017518/0156 (Inventors to Montalvo)
   021171/0578 (Montalvo to Sun)

   Reference No: 33227/221001; SUN080674

3.	**Patent Application/Serial No.:**	11/559,069

 Title:	SMALL AND POWER-EFFICIENT CACHE THAT CAN PROVIDE DATA FOR BACKGROUND DMA DEVICES WHILE THE PROCESSOR IS IN A LOW-POWER STATE

 Filed:	11/13/2006

 Applicant:	Sun Microsystems, Inc.

 Reel/Frame No.:	020957/0434

 Reference No:	33227/221002; SUN080674-US-CNT-1

4.	**Patent Application/Serial No.:**	60/731,968

 Title:	ENHANCED RF DECODER SAVES POWER DURING UNNECESSARY READS

 Filed:	10/31/2005

 Applicant:	Sun Microsystems, Inc.

 Reference No:	33227/223000; SUN080662-US-PSP

5.	**Patent Application/Serial No.:**	11/306,000

 Title:	SOFTWARE HINT TO SPECIFY THE PREFERRED BRANCH PREDICTION TO USE FOR A BRANCH INSTRUCTION

 Filed:	12/16/2005

 Applicant:	Sun Microsystems, Inc.

 Reel/Frame No.:	017518/0137

 Reference No:	33227/224001; SUN080653

6. **Patent Application/Serial No.:** 11/279,880

Title: IMPROVED PREFETCH HARDWARE EFFICIENCY VIA PREFETCH HINT INSTRUCTIONS

Filed: 4/15/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 018161/0754

Reference No: 33227/226001; SUN080665

7. **Patent Application/Serial No.:** 11/277,765

Title: THREAD MIGRATION AND RECONFIGURATION OF A MULTI-CORE PROCESSOR

Filed: 3/29/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021731/0700

Reference No: 33227/227001; SUN080651-US-NP-5

8. **Patent Application/Serial No.:** 11/645,901

Title: PREDICTION OF DATA VALUES READ FROM MEMORY BY A MICROPROCESSOR USING A DYNAMIC CONFIDENCE THRESHOLD

Filed: 12/26/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/229001; SUN080843

9.   **Patent Application/Serial No.:** 11/645,917

        Title: LOW-POWER PREDICTION OF DATA VALUES READ FROM MEMORY BY A MICROPROCESSOR

        Filed: 12/26/2006

        Applicant: Sun Microsystems, Inc.

        Reel/Frame No.: 020957/0434

        Reference No: 33227/230001; SUN080824

10.   **Patent Application/Serial No.:** 11/645,935

        Title: PREDICTION OF DATA VALUES READ FROM MEMORY BY A MICROPROCESSOR USING SELECTIVE TABLE ENTRY REPLACEMENT

        Filed: 12/26/2006

        Applicant: Sun Microsystems, Inc.

        Reel/Frame No.: 020957/0434

        Reference No: 33227/231001; SUN080823

11.   **Patent Application/Serial No.:** 11/561,287

        Title: EXECUTING FUNCTIONS DETERMINED VIA A COLLECTION OF OPERATIONS FROM TRANSLATED INSTRUCTIONS

        Filed: 11/17/2006

        Applicant: Sun Microsystems, Inc.

        Reel/Frame No.: 021731/0700

        Reference No: 33227/235001; SUN080680

12.   **Patent Application/Serial No.:**   11/646,008

Title: PREDICTION OF DATA VALUES READ FROM MEMORY BY A MICROPROCESSOR USING THE STORAGE DESTINATION OF A LOAD OPERATION

Filed: 12/26/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/236001; SUN080825

13.   **Patent Application/Serial No.:**   11/561,281

Title: FUSING REGISTER OPERATIONS OF A TARGET ARCHITECTURE OPERATION SET

Filed: 11/17/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021731/0700

Reference No: 33227/237001; SUN080680

14.   **Patent Application/Serial No.:**   60/707,070

Title: ADAPTIVE COMPUTING ENSEMBLE MICROPROCESSOR ARCHITECTURE

Filed: 8/10/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/254001; SUN080651

15.   **Patent Application/Serial No.:**   60/751,398

Title: ADAPTIVE COMPUTING ENSEMBLE MICROPROCESSOR ARCHITECTURE

Filed: 12/17/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/255001; SUN080707

16.   **Patent Application/Serial No.:**   60/758,485

Title: MICROPROCESSOR ARCHITECTURE WITH RECONFIGURABLE FUNCTION UNITS

Filed: 1/10/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/256001; SUN080690

17.   **Patent Application/Serial No.:**   60/759,484

Title: ADAPTIVE COMPUTING ENSEMBLE MICROPROCESSOR ARCHITECTURE

Filed: 1/17/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/257001; SUN080708

18. **Patent Application/Serial No.:** 60/777,015

Title: ADAPTIVE COMPUTING ENSEMBLE MICROPROCESSOR ARCHITECTURE

Filed: 2/25/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/258001; SUN080709

19. **Patent Application/Serial No.:** 11/277,761

Title: ADAPTIVE COMPUTING ENSEMBLE MICROPROCESSOR ARCHITECTURE

Filed: 3/29/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021731/0700

Reference No: 33227/259001; SUN080707

20. **Patent Application/Serial No.:** 11/781,726

Title: VIRTUAL CORE MANAGEMENT

Filed: 7/23/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/259002; SUN080835-US-CIP1

21. Patent Application/Serial No.: 60/832,823

Title: MANAGING MULTIPLE PHYSICAL CORE PROCESSORS TO BEHAVE AS ONE VIRTUAL CORE PROCESSOR

Filed: 7/23/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/259003; SUN080835

22. Patent Application/Serial No.: 11/277,763

Title: STATICALLY CONFIGURED MICROPROCESSOR ARCHITECTURE

Filed: 3/29/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021731/0700

Reference No: 33227/260001; SUN080709-US-NP

23. Patent Application/Serial No.: 11/277,764

Title: CONFIGURABLE MULTI-CORE PROCESSOR IMPLEMENTING VIRTUAL PROCESSORS

Filed: 3/29/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021731/0700

Reference No: 33227/261001; SUN080651-US-NP-4

24. **Patent Application/Serial No.:** 60/730,550

Title: CHECKPOINTING STATUS FLAGS FOR ATOMIC TRACES

Filed: 10/26/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/262001; SUN080660-US-PSP

25. **Patent Application/Serial No.:** 60/730,810

Title: ALLOCATION AND DEALLOCATION OF SHADOW REGISTERS USED BY ATOMIC TRACES

Filed: 10/27/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/263001; SUN080661-US-PSP

26. **Patent Application/Serial No.:** 60/731,962

Title: DETERMINING THE HIGHEST PRIORITY ABORT TRIGGER IN AN ATOMIC TRACE

Filed: 10/31/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/264001; SUN080691-US-PSP

27. **Patent Application/Serial No.:** 60/732,438

Title: ZERO-CYCLE EXECUTION OF CLEAR OPERATION AND AUTOMATIC REGISTER FREE

Filed: 11/1/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/265001; SUN080669-US-PSP

28. **Patent Application/Serial No.:** 60/832,822

Title: MICROPROCESSOR WITH COHERENT CACHES FOR BASIC BLOCKS AND TRACES

Filed: 7/23/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/268001; SUN080753-US-PSP

29. **Patent Application/Serial No.:** 60/863,125

Title: METHOD FOR EARLY DEALLOCATION OF PHYSICAL REGISTERS WHEN SHADOW REGISTERS ARE USED

Filed: 10/26/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/266001; SUN080683-US-PSP

30. **Patent Application/Serial No.:** 60/832,848

Title: MICROPROCESSOR WITH CACHES FOR INSTRUCTIONS, BASIC BLOCKS, AND TRACES

Filed: 7/23/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/267001; SUN080752-US-PSP

31. **Patent Application/Serial No.:** 60/862,609

Title: EXCEPTION HANDLING FOR ATOMIC TRACES

Filed: 10/24/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/269001; SUN080693-US-PSP

32. **Patent Application/Serial No.:** 60/866,205

Title: PROCESSOR WITH OPTIMIZED OPERATION SEQUENCES FOR BASIC BLOCK AND MULTI-BLOCK TRACE CACHES

Filed: 11/16/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/270001; SUN080694-US-PSP

33. **Patent Application/Serial No.:** 60/866,203

Title: PROCESSOR WITH BASIC BLOCK AND MULTI-BLOCK TRACE CACHES

Filed: 11/16/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/271001; SUN080695-US-PSP

34. **Patent Application/Serial No.:** 11/553,453

Title: CHECKPOINTING FLAGS DURING ATOMIC TRACE RENAMING

Filed: 10/26/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 018887/0247

Reference No: 33227/272001; SUN080660-US-NP-1

35. **Patent Application/Serial No.:** 11/553,458

Title: FLAG RESTORATION FROM CHECKPOINTS FOR ABORTS OF ATOMIC TRACES

Filed: 10/26/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 018887/0247

Reference No: 33227/273001; SUN080660-US-NP-3

36.	**Patent Application/Serial No.:**	11/553,455
	Title:	CHECKPOINTING FLAGS ON-DEMAND FOR ATOMIC TRACES
	Filed:	10/26/2006
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	021731/0700
	Reference No:	33227/274001; SUN080660-US-NP-2

37.	**Patent Application/Serial No.:**	60/736,632
	Title:	POWER CONSERVATION VIA DRAM ACCESS REDUCTION
	Filed:	11/15/2005
	Applicant:	Sun Microsystems, Inc.
	Reference No:	33227/275001; SUN080670-US-PSP

38.	**Patent Application/Serial No.:**	60/736,736
	Title:	SMALL AND POWER-EFFICIENT CACHE THAT CAN PROVIDE DATA FOR BACKGROUND DMA DEVICES WHILE THE PROCESSOR IS IN A LOW-POWER STATE
	Filed:	11/15/2005
	Applicant:	Sun Microsystems, Inc.
	Reference No:	33227/276001; SUN080674-US-PSP

39.   **Patent Application/Serial No.:**   60/761,220

Title: POWER CONSERVATION VIA DRAM ACCESS REDUCTION

Filed: 1/23/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/277001; SUN080671-US-PSP

40.   **Patent Application/Serial No.:**   60/761,925

Title: SMALL AND POWER-EFFICIENT CACHE THAT CAN PROVIDE DATA FOR BACKGROUND DMA DEVICES WHILE THE PROCESSOR IS IN A LOW-POWER STATE

Filed: 1/25/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/278001; SUN080679-US-PSP

41.   **Patent Application/Serial No.:**   11/351,070

Title: POWER CONSERVATION VIA DRAM ACCESS REDUCTION

Filed: 2/9/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   021171/0578

Reference No: 33227/279001; SUN080670-US-NP

42. **Patent Application/Serial No.:** 11/559,133

Title: POWER CONSERVATION VIA DRAM ACCESS REDUCTION

Filed: 11/13/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/279002; SUN080670-US-CNT-1

43. **Patent Application/Serial No.:** 11/559,192

Title: POWER CONSERVATION VIA DRAM ACCESS

Filed: 11/13/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 019355/0223

Reference No: 33227/279003; SUN080670-US-CIP

44. **Patent Application/Serial No.:** 12/030,846

Title: TRACE BASED DEALLOCATION OF ENTRIES IN A VERSIONING CACHE CIRCUIT

Filed: 2/13/2008

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/282002; SUN080742-US-CIP-8

45. **Patent Application/Serial No.:** 12/030,851

Title: MEMORY ORDERING QUEUE / VERSIONING CACHE CIRCUIT

Filed: 2/13/2008

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/282003; SUN080742-US-CIP-7

46. **Patent Application/Serial No.:** 12/030,852

Title: TRACE BASED ROLLBACK OF A SPECULATIVELY UPDATED CACHE

Filed: 2/13/2008

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/282004; SUN080742-US-CIP-9

47. **Patent Application/Serial No.:** 12/030,854

Title: MEMORY RECONCILIATION BLOCK

Filed: 2/13/2008

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/282005; SUN080742-US-CIP-6

48. **Patent Application/Serial No.:** 12/030,857

Title: MEMORY ORDERING QUEUE
TIGHTLY COUPLED WITH A
VERSIONING CACHE CIRCUIT

Filed: 2/13/2008

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/282006; SUN080742-US-CIP-10

49. **Patent Application/Serial No.:** 60/721,385

Title: EFFICIENT TRACE CACHE
MANAGEMENT DURING SELF-
MODIFYING CODE PROCESSING

Filed: 9/28/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/283001; SUN080652-US-PSP

50. **Patent Application/Serial No.:** 11/535,971

Title: EFFICIENT TRACE CACHE
MANAGEMENT DURING SELF-
MODIFYING CODE PROCESSING

Filed: 9/27/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021731/0700

Reference No: 33227/283002; SUN080652-US-NP-1

51.   **Patent Application/Serial No.:**   11/535,972

Title: SELECTIVE TRACE CACHE INVALIDATION FOR SELF-MODIFYING CODE VIA MEMORY AGING

Filed: 9/27/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   021731/0700

Reference No: 33227/283003; SUN080652-US-NP-2

52.   **Patent Application/Serial No.:**   11/535,977

Title: TRACE CACHE FOR EFFICIENT SELF-MODIFYING CODE PROCESSING

Filed: 9/27/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   021731/0700

Reference No: 33227/283004; SUN080652-US-NP-3

53.   **Patent Application/Serial No.:**   11/781,949

Title: METHOD AND SYSTEM FOR PROMOTING TRACES IN AN INSTRUCTION PROCESSING CIRCUIT

Filed: 7/24/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   021731/0700

Reference No: 33227/283005; SUN080752

54.   **Patent Application/Serial No.:**   11/782,140

Title: METHOD AND SYSTEM FOR PROMOTING TRACES IN AN INSTRUCTION PROCESSING CIRCUIT

Filed: 7/24/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   021731/0700

Reference No: 33227/283006; SUN080752-US-CIP-2

55.   **Patent Application/Serial No.:**   11/782,163

Title: MICROPROCESSOR WITH COHERENT CACHES FOR BASIC BLOCKS AND TRACES

Filed: 7/24/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   020957/0434

Reference No: 33227/283007; SUN080753-US-CIP-1

56.   **Patent Application/Serial No.:**   11/781,950

Title: TRACE UNIT WITH A DECODER, A BASIC-BLOCK CACHE, AND A MULTI-BLOCK CACHE

Filed: 7/24/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   020957/0434

Reference No: 33227/283008; SUN080744-US-CIP-1

57. Patent Application/Serial No.: 11/880,862

Title: TRACE UNIT WITH A DECODER, A BASIC-BLOCK CACHE, A MULTI-BLOCK CACHE, AND SEQUENCER

Filed: 7/23/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/283009; SUN080745-US-CIP-2

58. Patent Application/Serial No.: 11/781,937

Title: TRACE UNIT WITH A DECODER, A BASIC-BLOCK BUILDER, AND A MULTI-BLOCK BUILDER

Filed: 7/23/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/285001; SUN080742-US-CIP-0

59. Patent Application/Serial No.: 11/923,638

Title: GRACEFUL DEGRADATION IN A TRACE-BASED PROCESSOR

Filed: 10/24/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/285002; SUN080742-US-CIP-1

60. **Patent Application/Serial No.:** 11/923,640

Title: ABORT PRIORITIZATION IN A TRACE-BASED PROCESSOR

Filed: 10/24/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/285003; SUN080742-US-CIP-2

61. **Patent Application/Serial No.:** 11/941,900

Title: FLAG OPTIMIZATION OF A TRACE

Filed: 11/16/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/285004; SUN080742-US-CIP-3

62. **Patent Application/Serial No.:** 11/941,908

Title: EMIT VECTOR OPTIMIZATION OF A TRACE

Filed: 11/16/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/285005; SUN080742-US-CIP-4

63.   **Patent Application/Serial No.:**   11/941,912

Title: SYMBOLIC RENAMING OPTIMIZATION OF A TRACE

Filed: 11/16/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   020957/0434

Reference No: 33227/285006; SUN080742-US-CIP-5

64.   **Patent Application/Serial No.:**   60/738,225

Title: FUSING OR REGISTER OPERATIONS, MERGING, STATUS FLAG UPDATES, BRANCHES

Filed: 11/18/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/286001; SUN080680-US-PSP

65.   **Patent Application/Serial No.:**   60/744,592

Title: IMPROVED PREFETCH HARDWARE EFFICIENCY VIA PREFETCH HINT INSTRUCTIONS

Filed: 4/10/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/287001; SUN080673-US-PSP

66. **Patent Application/Serial No.:** 60/743,560

Title: IMPROVED PREFETCH HARDWARE EFFICIENCY VIA PREFETCH HINT INSTRUCTIONS

Filed: 3/20/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/288001; SUN080672-US-PSP

67. **Patent Application/Serial No.:** 60/731,969

Title: INSTRUCTIONS GIVING HINTS TO THE HARDWARE PREFETCHER FOR MORE EFFICIENT PREDICTION OF PREFETCHES

Filed: 10/31/2005

Applicant: Sun Microsystems, Inc.

Reference No: 33227/289001; SUN080665-US-PSP

68. **Patent Application/Serial No.:** 60/757,240

Title: EXTENDED RESOURCE CREDIT SCHEME TO SUPPORT DYNAMIC REASSIGNMENT OF RESOURCES AMONG DATA PRODUCERS

Filed: 1/9/2006

Applicant: Sun Microsystems, Inc.

Reference No: 33227/290001; SUN080682-US-PSP

69. **Patent Application/Serial No.:** 60/731,967

   Title: SYNCHRONIZED REGISTER RENAMING BY A MASTER PROCESSOR AND A COPROCESSOR

   Filed: 10/31/2005

   Applicant: Sun Microsystems, Inc.

   Reference No: 33227/291001; SUN080668-US-PSP

70. **Patent Application/Serial No.:** 60/749,962

   Title: SOFTWARE HINT TO SPECIFY THE PREFETCH BRANCH PREDICTION TO USE FOR A BRANCH INSTRUCTION

   Filed: 12/12/2005

   Applicant: Sun Microsystems, Inc.

   Reference No: 33227/292001; SUN080656-US-PSP

71. **Patent Application/Serial No.:** 60/721,818

   Title: SOFTWARE HINT TO SPECIFY THE PREFETCH BRANCH PREDICTION TO USE FOR A BRANCH INSTRUCTION

   Filed: 9/29/2005

   Applicant: Sun Microsystems, Inc.

   Reference No: 33227/293001; SUN080653-US-PSP

72.	Patent Application/Serial No.:	11/777,074
	Title:	MEMORY CELLS WITH POWER SWITCH CIRCUIT FOR IMPROVED LOW VOLTAGE OPERATION
	Filed:	7/12/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	021198/0009
	Reference No:	33227/348001; SUN080722-US-NP

73.	Patent Application/Serial No.:	60/746,049
	Title:	REDUCED POWER CACHE MEMORY WITH PER-SECTOR POWER CONTROL
	Filed:	4/30/2006
	Applicant:	Sun Microsystems, Inc.
	Reference No:	33227/298001; SUN080710-US-PSP

74.	Patent Application/Serial No.:	11/740,901
	Title:	REDUCED-POWER MEMORY WITH PER-SECTOR POWER/GROUND CONTROL AND EARLY ADDRESS
	Filed:	4/26/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	021731/0700
	Reference No:	33227/298002; SUN080710-US-NP

75. **Patent Application/Serial No.:** 60/747,200

   Title: REDUCED POWER CACHE MEMORY
   WITH PER-SECTOR POWER
   CONTROL

   Filed: 5/14/2006

   Applicant: Sun Microsystems, Inc.

   Reference No: 33227/299001; SUN080685-US-PSP

76. **Patent Application/Serial No.:** 60/747,818

   Title: RE-FETCHING CACHE MEMORY

   Filed: 5/22/2006

   Applicant: Sun Microsystems, Inc.

   Reference No: 33227/300001; SUN080688-US-PSP

77. **Patent Application/Serial No.:** 60/803,367

   Title: RE-FETCHING CACHE MEMORY

   Filed: 5/28/2006

   Applicant: Sun Microsystems, Inc.

   Reference No: 33227/301001; SUN080689-US-PSP

78. **Patent Application/Serial No.:** 60/804,085

   Title: APPLICATION-DIRECTED RANK
   COALESCING FOR MEMORY
   POWER MANAGEMENT

   Filed: 6/6/2006

   Applicant: Sun Microsystems, Inc.

   Reference No: 33227/302001; SUN080686-US-PSP

79.   **Patent Application/Serial No.:**   60/888,011

Title: MEMORY CELLS WITH POWER SWITCH FOR WRITE OPERATIONS

Filed: 2/2/2007

Applicant: Sun Microsystems, Inc.

Reference No: 33227/306001; SUN080720-US-PSP

80.   **Patent Application/Serial No.:**   11/932,699

Title: MEMORY CELL WITH INTERNAL POWER SWITCH

Filed: 10/31/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   020957/0434

Reference No: 33227/306002; SUN080720-US-NP

81.   **Patent Application/Serial No.:**   11/932,738

Title: METHOD OF OPERATING MEMORY CELL PROVIDING INTERNAL POWER SWITCHING

Filed: 10/31/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.:   020957/0434

Reference No: 33227/306003; SUN080720-US-NP-1

82.	**Patent Application/Serial No.:**	11/764,159
	Title:	SYMMETRICAL DIFFERENTIAL AMPLIFIER
	Filed:	6/15/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/908001; SUN080742

83.	**Patent Application/Serial No.:**	11/751,949
	Title:	RE-FETCHING CACHE MEMORY ENABLING LOW-POWER MODES
	Filed:	5/22/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	021731/0700
	Reference No:	33227/279004; SUN080689-US-NP-1

84.	**Patent Application/Serial No.:**	11/751,973
	Title:	RE-FETCHING CACHE MEMORY ENABLING ALTERNATIVE OPERATIONAL MODES
	Filed:	5/22/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	021731/0700
	Reference No:	33227/279005; SUN080688-US-NP-2

85.   **Patent Application/Serial No.:** 11/751,985

      Title: RE-FETCHING CACHE MEMORY HAVING COHERENT RE-FETCHING

      Filed: 5/22/2007

      Applicant: Sun Microsystems, Inc.

      Reel/Frame No.: 021731/0700

      Reference No: 33227/279006; SUN080688-US-NP-3

86.   **Patent Application/Serial No.:** 12/030,855

      Title: VERSIONING CACHE CIRCUIT PARTICIPATING IN A CACHE HIERARCHY

      Filed: 2/13/2008

      Applicant: Sun Microsystems, Inc.

      Reel/Frame No.: 020957/0434

      Reference No: 33227/282007; SUN080742-US-CIP-13

87.   **Patent Application/Serial No.:** 11/555,258

      Title: SYNCHRONIZED REGISTER RENAMING IN A MULTIPROCESSOR

      Filed: 10/31/2006

      Applicant: Sun Microsystems, Inc.

      Reel/Frame No.: 012501/0661 (Inventors to Elan)
                017089/0214 (Elan to Montalvo)
                021731/0700 (Montalvo to Sun)

      Reference No: 33227/291002; SUN080668-US-NP-1

88.   **Patent Application/Serial No.:**   11/555,263

                                       Title: SYNCHRONIZED REGISTER RENAMING IN A MULTIPROCESSOR

                                       Filed: 10/31/2006

                                 Applicant: Sun Microsystems, Inc.

                               Reel/Frame No.:   020957/0434

                               Reference No: 33227/291003; SUN080668

89.   **Patent Application/Serial No.:**   60/741,724

                                       Title: MICROARCHITECTURE FOR COMPRESSED STORAGE OF OPERATIONS WITH EMBEDDED CONSTANTS

                                       Filed: 12/2/2005

                                 Applicant: Sun Microsystems, Inc.

                               Reference No: 33227/294001; SUN080681-US-PSP

90.   **Patent Application/Serial No.:**   60/744,010

                                       Title: SOFTWARE-ASSISTED THREAD MIGRATION BETWEEN MULTIPLE CORES

                                       Filed: 3/30/2006

                                 Applicant: Sun Microsystems, Inc.

                               Reference No: 33227/295001; SUN080701-US-PSP

91.   **Patent Application/Serial No.:**   60/781,772

                Title: SOFTWARE-ASSISTED THREAD MIGRATION BETWEEN MULTIPLE CORES

                Filed: 3/13/2006

                Applicant: Sun Microsystems, Inc.

                Reference No: 33227/296001; SUN080684-US-PSP

92.   **Patent Application/Serial No.:**   60/832,847

                Title: LOW POWER SRAM FOR A DUAL PROCESSOR SYSTEM

                Filed: 7/23/2006

                Applicant: Sun Microsystems, Inc.

                Reference No: 33227/297001; SUN090008-US-PSP

93.   **Patent Application/Serial No.:**   60/731,785

                Title: MAINTAINING MEMORY COHERENCY WITHIN A TRACE CACHE

                Filed: 10/31/2005

                Applicant: Sun Microsystems, Inc.

                Reference No: 33227/284001; SUN080667-US-PSP

94.   **Patent Application/Serial No.:**   60/889,547

                Title: INSTRUCTION SUB-TYPE TRACKING UNIT

                Filed: 2/13/2007

                Applicant: Sun Microsystems, Inc.

                Reference No: 33227/282001; SUN080692-US-PSP

95. **Patent Application/Serial No.:** 11/279,882

Title: MECHANISMS FOR SOFTWARE (OS) TO CONTROL THREADS BETWEEN MULTIPLE CORES

Filed: 04/15/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 018161/0814

Reference No: 33227/296002; SUN080684-US-NP-1

96. **Patent Application/Serial No.:** 11/279,883

Title: OBJECTIVE-DIRECTED MECHANISMS FOR SOFTWARE (OS) TO CONTROL THREAD MIGRATION

Filed: 04/15/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 018161/0814

Reference No: 33227/296003; SUN080684-US-NP-2

97. **Patent Application/Serial No.:** 11/566,206

Patent No.: 7,389,408

Title: MICROARCHITECTURE FOR COMPACT STORAGE OF EMBEDDED CONSTANTS

Filed: 12/01/2006

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020925/0679

Reference No: 33227/294002; SUN080681-US-NP

98. **Patent Application/Serial No.:** 11/782,180

Title: TRACE VERIFICATION SYSTEM AND METHOD FOR AN INSTRUCTION PROCESSING CIRCUIT

Filed: 07/24/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/283014; SUN080652-US-CIP-1

99. **Patent Application/Serial No.:** 11/782,238

Title: METHOD AND SYSTEM FOR UTILIZING A COMMON STRUCTURE FOR TRACE VERIFICATION AND MAINTAINING COHERENCY IN AN INSTRUCTION PROCESSING CIRCUIT

Filed: 07/24/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/283015; SUN080652-US-CIP-2

100. **Patent Application/Serial No.:** 11/880,861

Title: TRACE UNIT WITH A TRACE BUILDER

Filed: 07/23/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/283013; SUN080652-US-CIP-3

101.	Patent Application/Serial No.:	11/880,859
	Title:	CONCURRENT VS LOW POWER BRANCH PREDICTION
	Filed:	07/23/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/283011; SUN080750-US-CIP-1

102.	Patent Application/Serial No.:	11/880,863
	Title:	TRACE UNIT WITH AN OP PATH FROM A DECODER (BYPASS MODE) AND FROM A BASIC-BLOCK BUILDER
	Filed:	07/23/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/283010; SUN080746-US-CIP-1

103.	Patent Application/Serial No.:	12/030,865
	Title:	TRACE-BASED STORE OPERATION BUFFER
	Filed:	02/13/2008
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/282011; SUN080742-US-CIP-14

104.   **Patent Application/Serial No.:** 12/030,862

                                   Title: CHECKING FOR A MEMORY
                                              ORDERING VIOLATION AFTER A
                                              SPECULATIVE CACHE WRITE

                                   Filed: 02/13/2008

                              Applicant: Sun Microsystems, Inc.

                         Reel/Frame No.: 020957/0434

                          Reference No: 33227/282010; SUN080742-US-CIP-11

105.   **Patent Application/Serial No.:** 12/030,859

                                   Title: ROLLING BACK A SPECULATIVE
                                              UPDATE OF A NON-MODIFIABLE
                                              CACHE LINE

                                   Filed: 02/13/2008

                              Applicant: Sun Microsystems, Inc.

                         Reel/Frame No.: 020957/0434

                          Reference No: 33227/282009; SUN080742-US-CIP-12

106.   **Patent Application/Serial No.:** 12/030,858

                                   Title: CACHE ROLLBACK
                                              ACCELERATION VIA A BANK
                                              BASED VERSIONING CACHE
                                              CIRCUIT

                                   Filed: 02/13/2008

                              Applicant: Sun Microsystems, Inc.

                         Reel/Frame No.: 020957/0434

                          Reference No: 33227/282008; SUN080742-US-CIP-16

107.   **Patent Application/Serial No.:** 11/941,895

                            Title: METHOD AND SYSTEM FOR
                                        PROMOTING TRACES IN AN
                                        INSTRUCTION PROCESSING
                                        CIRCUIT

                            Filed: 11/16/2007

                        Applicant: Sun Microsystems, Inc.

                Reel/Frame No.: 020957/0434

                    Reference No: 33227/271003; SUN080652-US-DIV-1

108.   **Patent Application/Serial No.:** 11/941,883

                            Title: METHOD AND SYSTEM FOR
                                        PROMOTING TRACES IN AN
                                        INSTRUCTION PROCESSING
                                        CIRCUIT

                            Filed: 11/16/2007

                        Applicant: Sun Microsystems, Inc.

                Reel/Frame No.: 020957/0434

                    Reference No: 33227/271002; SUN080652-US-CIP-4

109.   **Patent Application/Serial No.:** 11/880,875

                            Title: INSTRUCTION CACHE, DECODER
                                        CIRCUIT, BASIC BLOCK CACHE
                                        CIRCUIT AND MULTI-BLOCK
                                        CACHE CIRCUIT

                            Filed: 07/23/2007

                        Applicant: Sun Microsystems, Inc.

                Reel/Frame No.: 020957/0434

                    Reference No: 33227/285008; SUN080751-US-CIP-1

110.	Patent Application/Serial No.:	11/880,864
	Title:	FRONT END PROCESSOR CORE SUPPORTING MULTIPLE BACK END EXECUTION UNITS SHARING A BASIC BLOCK BUILDER
	Filed:	07/23/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/285007; SUN080749-US-CIP-1

111.	Patent Application/Serial No.:	11/933,267
	Title:	VIRTUAL CORE MANAGEMENT
	Filed:	10/31/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/259005; SUN080835-US-DIV-2

112.	Patent Application/Serial No.:	11/933,297
	Title:	VIRTUAL CORE MANAGEMENT
	Filed:	10/31/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/259006; SUN080835-US-DIV-3

113.   **Patent Application/Serial No.:** 11/933,319

                              Title: VIRTUAL CORE MANAGEMENT

                              Filed: 10/31/2007

                        Applicant: Sun Microsystems, Inc.

                  Reel/Frame No.: 020957/0434

                  Reference No: 33227/259007; SUN080835-US-DIV-4

114.   **Patent Application/Serial No.:** 11/933,333

                              Title: VIRTUAL CORE MANAGEMENT

                              Filed: 10/31/2007

                        Applicant: Sun Microsystems, Inc.

                  Reel/Frame No.: 020957/0434

                  Reference No: 33227/259008; SUN080835-US-DIV-5

115.   **Patent Application/Serial No.:** 11/933,349

                              Title: VIRTUAL CORE MANAGEMENT

                              Filed: 10/31/2007

                        Applicant: Sun Microsystems, Inc.

                  Reel/Frame No.: 020957/0434

                  Reference No: 33227/259009; SUN080835-US-DIV-6

116.	**Patent Application/Serial No.:**	11/933,199
	Title:	VIRTUAL CORE MANAGEMENT
	Filed:	10/31/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/259004; SUN080835-US-DIV-1

117.	**Patent Application/Serial No.:**	11/932,555
	Title:	MEMORY DEVICE WITH SPLIT POWER SWITCH
	Filed:	10/31/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	021171/0578
	Reference No:	33227/349002; SUN080719-US-NP

118.	**Patent Application/Serial No.:**	60/888,006
	Title:	SPLIT POWER SWITCH FOR MEMORY CELLS
	Filed:	02/02/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	021731/0700
	Reference No:	33227/349001; SUN080719-US-PSP

119. **Patent Application/Serial No.:** 11/932,643

Title: METHOD OF SELECTIVELY POWERING MEMORY DEVICE

Filed: 10/31/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021171/0578

Reference No: 33227/349003; SUN080719-US-NP-1

120. **Patent Application/Serial No.:** 11/932,967

Title: ELECTRIC POWER FOR READ AND WRITE MARGINS

Filed: 10/31/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021171/0578

Reference No: 33227/349004; SUN080721-US-NP

121. **Patent Application/Serial No.:** 11/938,196

Title: ELECTRIC POWER FOR READ MARGINS

Filed: 11/09/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 021171/0578

Reference No: 33227/349005; SUN080721-US-CNT-1

122.	Patent Application/Serial No.:	11/555,253
	Title:	DYNAMIC RESOURCE ALLOCATION
	Filed:	10/31/2006
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/225001; SUN080668
123.	Patent Application/Serial No.:	11/555,181
	Title:	SELECTIVE REGISTER FILE DISABLEMENT
	Filed:	10/31/2006
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/223001; SUN080662
124.	Patent Application/Serial No.:	11/740,892
	Patent No.:	7,443,759
	Title:	REDUCED-POWER MEMORY WITH PER-SECTOR GROUND CONTROL
	Filed:	04/26/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	021731/0700
	Reference No:	33227/222001; SUN080685

125.   **Patent Application/Serial No.:**   60/731,784

           Title: EXTEND CACHE OPERATIONS TO PROVIDE CONTROL OVER WHICH LEVELS OF THE HIERARCHY THEY APPLY TO

           Filed: 10/31/2005

           Applicant: Sun Microsystems, Inc.

           Reference No: 33227/304001; SUN080666-US-PSP

126.   **Patent Application/Serial No.:**   11/543,549

           Title: CACHE INSTRUCTIONS WITH HIERARCHY CONTROL

           Filed: 10/04/2006

           Applicant: Sun Microsystems, Inc.

           Reel/Frame No.:   020957/0434

           Reference No: 33227/304002; SUN080666-US-NP-2

127.   **Patent Application/Serial No.:**   11/543,598

           Title: CACHE OPERATIONS WITH HIERARCHY CONTROL

           Filed: 10/04/2006

           Applicant: Sun Microsystems, Inc.

           Reel/Frame No.:   020957/0434

           Reference No: 33227/304003; SUN080666-US-NP-1

128.   **Patent Application/Serial No.:**   11/737,103

           Title: NAND/NOR REGISTERS

           Filed: 04/18/2007

           Applicant: Sun Microsystems, Inc.

           Reel/Frame No.:   020957/0434

           Reference No: 33227/305001; SUN080820-UP-US

129.	**Patent Application/Serial No.:**	60/729,558
	Title:	TIMED PAUSE INSTRUCTION FOR MORE POWER EFFICIENT HANDLING OF MICRODELAYS IN SOFTWARE
	Filed:	10/24/2005
	Applicant:	Sun Microsystems, Inc.
	Reference No:	33227/310001; SUN080659-US-PSP

130.	**Patent Application/Serial No.:**	11/552,329
	Title:	TIMED PAUSE INSTRUCTIONS
	Filed:	10/24/2006
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020975/0434
	Reference No:	33227/310002; SUN080659-US-NP

131.	**Patent Application/Serial No.:**	11/616,093
	Title:	TIMED PAUSE INSTRUCTION SET
	Filed:	12/26/2006
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020975/0434
	Reference No:	33227/310003; SUN080659-US-CNT-1

132.	Patent Application/Serial No.:	11/759,218
	Title:	ASSOCIATE STRUCTURE RANK COUNTERS
	Filed:	6/6/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	017518/0150
	Reference No:	33227/279007; SUN080686-US-NP-3

133.	Patent Application/Serial No.:	11/880,882
	Title:	TRACE UNIT
	Filed:	7/23/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020378/0239
	Reference No:	33227/283012; SUN080754-US-CIP-1

134.	Patent Application/Serial No.:	11/880,877
	Title:	TRACE VERIFICATION SYSTEM AND METHOD FOR AN INSTRUCTION PROCESSING CIRCUIT
	Filed:	7/23/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020378/0239
	Reference No:	33227/283016

135. **Patent Application/Serial No.:** 11/591,024

               Title: MAINTAINING MEMORY COHERENCY WITH A TRACE CACHE

               Filed: 10/31/2006

               Applicant: Sun Microsystems, Inc.

               Reel/Frame No.: 020957/0434

               Reference No: 33227/284002; SUN080667-US-NP

136. **Patent Application/Serial No.:** 11/561,270

               Title: FUSING OPERATIONS OF A TARGET ARCHITECTURE OPERATION SET

               Filed: 11/17/2006

               Applicant: Sun Microsystems, Inc.

               Reel/Frame No.: 018887/0263

               Reference No: 33227/353001; SUN080680-US-NP-1

137. **Patent Application/Serial No.:** 11/561,274

               Title: TRACE OPTIMIZATION VIA FUSING OPERATIONS OF TARGET ARCHITECTURE OPERATION SET

               Filed: 11/17/2006

               Applicant: Sun Microsystems, Inc.

               Reel/Frame No.: 018887/0263

               Reference No: 33227/354001; SUN080680-US-NP-2

138.	Patent Application/Serial No.:	11/561,284
	Title:	FUSING ASSERT OPERATIONS OF A TARGET ARCHITECTURE OPERATION SET
	Filed:	11/17/2006
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	018887/0263
	Reference No:	33227/355001; SUN080680-US-NP-4

139.	Patent Application/Serial No.:	11/759,217
	Title:	PHYSICAL MEMORY ALLOCATING ACCORDING TO RANKS
	Filed:	6/6/2007
	Applicant:	Sun Microsystems, Inc.
	Reference No:	33227/327001; SUN080686-US-NP-2

140.	Patent Application/Serial No.:	11/759,216
	Title:	SOFTWARE DIRECTED RANK COALESCING
	Filed:	6/6/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020669/0050
	Reference No:	33227/328001; SUN080686-US-NP-1

141.	Patent Application/Serial No.:	09/680,672
	Patent No.:	6,502,202
	Title:	SELF-ADJUSTING MULTI-SPEED PIPELINE
	Filed:	10/6/2000
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	011192/0610
	Reference No:	33227/329001; SUN080800-US-NP

142.	Patent Application/Serial No.:	09/661,137
	Title:	REPAIRABLE DYNAMIC PROGRAMMABLE LOGIC ARRAY
	Filed:	9/13/2000
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	011222/0881
	Reference No:	33227/330001; SUN080799-US-NP

143.	Patent Application/Serial No.:	09/640,486
	Title:	CONFIGURABLE DYNAMIC PROGRAMMABLE LOGIC ARRAY
	Filed:	8/16/2000
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	011150/0664
	Reference No:	33227/331001; SUN080798-US-NP

144.	Patent Application/Serial No.:	10/071,966
	Patent No.:	6,614,258
	Title:	FIELD-PROGRAMMABLE DYNAMIC LOGIC ARRAY
	Filed:	2/5/2002
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	012596/0994
	Reference No:	33227/332001; SUN080797-US-CIP

145.	Patent Application/Serial No.:	09/609,490
	Patent No.:	6,348,812
	Title:	DYNAMIC PROGRAMMABLE LOGIC ARRAY THAT CAN BE REPROGRAMMED AND A METHOD OF USE
	Filed:	7/5/2000
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	010915/0302
	Reference No:	33227/333001; SUN080796-US-NP

146.	Patent Application/Serial No.:	10/054,471
	Patent No.:	6,894,534
	Title:	DYNAMIC PRGOFRAMMABLE LOGIC ARRAY THAT CAN BE REPROGRAMMED AND A METHOD OF USE
	Filed:	1/18/2002
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	012552/0065
	Reference No:	33227/334001; SUN080795-US-CIP

147.	Patent Application/Serial No.:	09/566,901
	Patent No.:	6,542,958
	Title:	SOFTWARE CONTROL OF DRAM REFRESH TO REDUCE POWER CONSUMPTION IN A DATA PROCESSING SYSTEM
	Filed:	5/10/2000
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	010789/0532
	Reference No:	33227/335001; SUN080794-US-NP

148.	Patent Application/Serial No.:	11/932,311
	Title:	DYNAMIC VOLTAGE SCALING FOR SELF-TIMED OR RACING PATHS
	Filed:	10/31/2007
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	020957/0434
	Reference No:	33227/336001; SUN080757-US-NP

149.	**Patent Application/Serial No.:**	11/435,528
	Title:	SYSTEM AND METHOD FOR PROCESSING INSTRUCTIONS IN A COMPUTER SYSTEM
	Filed:	5/17/2006
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	017910/0029
	Reference No:	33227/337001; SUN080756-US-NP

150.	**Patent Application/Serial No.:**	11/408,784
	Title:	REDUCING POWER CONSUMPTION FOR PROCESSING OF COMMON VALUES IN MICROPROCESSOR REGISTERS AND EXECUTION UNITS
	Filed:	4/21/2006
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	017801/0323
	Reference No:	33227/338001; SUN080755-US-NP

151.	**Patent Application/Serial No.:**	10/045,127
	Patent No.:	6,848,025
	Title:	METHOD AND SYSTEM FOR PROGRAMMABLE REPLACEMENT MECHANISM FOR CACHING DEVICES
	Filed:	10/26/2001
	Applicant:	Sun Microsystems, Inc.
	Reel/Frame No.:	012501/0661 (Inventors to Elan)
		017089/0214 (Elan to Montalvo)
		021731/0700 (Montalvo to Sun)
	Reference No:	33227/339001; SUN080802-US-NP

152.   **Patent Application/Serial No.:**   10/004,338

   Patent No.:   6,957,323

   Title: OPERAND FILE USING POINTERS AND REFERENCES COUNTERS AND A METHOD OF USE

   Filed: 11/14/2001

   Applicant: Sun Microsystems, Inc.

   Reel/Frame No.:   012356/0083 (Inventors to Elan)
   017089/0214 (Elan to Montalvo)
   021731/0700 (Montalvo to Sun)

   Reference No: 33227/340001; SUN080801-US-NP

153.   **Patent Application/Serial No.:**   11/738,287

   Title: DYNAMIC DUAL OUTPUT LATCH

   Filed: 4/20/2007

   Applicant: Sun Microsystems, Inc.

   Reel/Frame No.:   020957/0434

   Reference No: 33227/341001; SUN080821-US-NP

154.   **Patent Application/Serial No.:**   11/490,778

   Title: MECHANISM TO PROVIDE SOFTWARE ACCESS TO PHYSICAL MEMORY IN A PROCESSING SYSTEM

   Filed: 7/21/2006

   Applicant: Sun Microsystems, Inc.

   Reel/Frame No.:   020421/0790

   Reference No: 33227/342001; SUN080833-US-NP

155. **Patent Application/Serial No.:** 11/963,603

Title: MICROPROCESSOR INCLUDING A DISPLAY INTERFACE IN THE MICROPROCESSOR

Filed: 12/21/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/343001; SUN080827-US-NP

156. **Patent Application/Serial No.:** 11/963,579

Title: MICROPROCESSOR INCLUDING A DISPLAY INTERFACE IN THE MICROPROCESSOR

Filed: 12/21/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/344001; SUN080826-US-NP

157. **Patent Application/Serial No.:** 11/745,370

Title: ENHANCED SIGNALING SENSITITVITY USING MULTIPLE REFERENCES

Filed: 5/7/2007

Applicant: Sun Microsystems, Inc.

Reel/Frame No.: 020957/0434

Reference No: 33227/345001; SUN080834-US-NP

158.   **Patent Application/Serial No.:**   11/416,872

                                 Title: SYSTEM AND METHOD FOR OPTIMIZING A MEMORY CONTROLLER

                                 Filed: 5/2/2006

                                 Applicant: Sun Microsystems, Inc.

                                 Reel/Frame No.:   017865/0651

                                 Reference No: 33227/346001; SUN080831-US-NP

159.   **Patent Application/Serial No.:**   11/450,103

                                 Title: SYSTEM AND MEHTOD FOR CONSERVING POWER

                                 Filed: 6/9/2006

                                 Applicant: Sun Microsystems, Inc.

                                 Reel/Frame No.:   17988/0735

                                 Reference No: 33227/347001; SUN080832-US-NP

160.   **Patent Application/Serial No.:**   60/721,817

                                 Title: SOFTWARE HINT TO SPECIFY PREFERRED LOAD VALUE PREDICTION MECHANISM

                                 Filed: 9/29/2005

                                 Applicant: Sun Microsystems, Inc.

                                 Reference No: 33227/351001; SUN080657-US-PSP

161.   **Patent Application/Serial No.:**   11/351,059

                                   Title: SOFTWARE HINT TO SPECIFY
                                                 PREFERRED LOAD VALUE
                                                 PREDICTION MECHANISM

                                   Filed: 2/9/2006

                              Applicant: Sun Microsystems, Inc.

                         Reel/Frame No.:   017518/0142

                         Reference No: 33227/351003; SUN080657-US-NP

162.   **Patent Application/Serial No.:**   60/762,817

                                   Title: SOFTWARE HINT OT SPECIFY
                                                 PREFERRED LOAD VALUE
                                                 PREDICTION MECHANISM

                                   Filed: 1/27/2006

                              Applicant: Sun Microsystems, Inc.

                         Reference No: 33227/351002; SUN080658-US-PSP

163.   **Patent Application/Serial No.:**   60/806,786

                                   Title: EXECUTION MODES APPLIED
                                                 TO INSTRUCTION SEQUENCES

                                   Filed: 7/9/2006

                              Applicant: Sun Microsystems, Inc.

                         Reference No: 33227/352001; SUN080687-US-PSP

164.   **Patent Application/Serial No.:**   11/774,581

                                         Title: EXECUTING INSTRUCTION
                                                        SEQUENCES ACCORDING TO
                                                        EXECUTION MODE

                                        Filed: 7/7/2007

                                   Applicant: Sun Microsystems, Inc.

                          Reel/Frame No.:   020750/0401

                             Reference No: 33227/352002; SUN080687-US-NP-1

165.   **Patent Application/Serial No.:**   11/774,583

                                         Title: CONTROLLING OPERATION OF A
                                                        PROCESSOR ACCORDING TO
                                                        EXECUTION MODE OF AN
                                                        INSTRUCTION SEQUENCE

                                        Filed: 7/7/2007

                                   Applicant: Sun Microsystems, Inc.

                          Reel/Frame No.:   020750/0401

                             Reference No: 33227/352003; SUN080687-US-NP-2

166.   **Patent Application/Serial No.:**   11/880,860

                                         Title: MICROPROCESSOR WITH
                                                        COHERENT CACHES FOR BASIC
                                                        BLOCKS AND TRACES

                                        Filed: 7/23/2007

                                   Applicant: Sun Microsystems, Inc.

                             Reference No: 33227/356001

167.	**Patent Application/Serial No.:**	11/781,942
	Title:	A TRACE UNIT WITH A DECODER, A BASIC-BLOCK CACHE, A MULTI-BLOCK CACHE, AND SEQUENCER
	Filed:	7/23/2007
	Applicant:	Sun Microsystems, Inc.
	Reference No:	33227/001001;SUN080745-US-CIP1

168.	**Patent Application/Serial No.:**	12/030,856
	Title:	DELAYED STORE BUFFER ENTRIES TAGGED WITH TRACE IDS
	Filed:	2/13/2008
	Applicant:	Sun Microsystems, Inc.
	Reference No:	SUN080742-US-CIP15